AUTODOC CLUB

How to change rear ABS sensor on **BMW X3 E83** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
BMW X3 (E83) xDrive 20 d, BMW X3 (E83) xDrive 30 d, BMW X3 (E83) 3.0 i xDrive, BMW X3 (E83) 3.0 d, BMW X3 (E83) 2.0 d, BMW X3 (E83) 2.0 i, BMW X3 (E83) 3.0 si, BMW X3 (E83) 2.5 si, BMW X3 (E83) 3.0 sd, BMW X3 (E83) xDrive 20 i, BMW X3 (E83) xDrive 25 i, BMW X3 (E83) xDrive 30 i, BMW X3 (E83) xDrive 18 d, BMW X3 (E83) xDrive 35 d, BMW X3 (E83) 2.5 si xDrive

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The steps may slightly vary depending on the car design.

REPLACEMENT: ABS SENSOR – BMW X3 E83. TOOLS YOU NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Electronic spray
- Copper grease
- Multipurpose grease
- Torque wrench
- Drive socket # 8
- HEX bit No.H5
- Wheel impact socket #17
- Ratchet wrench
- Flat Screwdriver
- Water pump pliers
- Crow bar
- Wheel chock

BUY TOOLS

Replacement: ABS sensor – BMW X3 E83. Tip from AUTODOC experts:

- All work should be done with the engine stopped.

REPLACEMENT: ABS SENSOR – BMW X3 E83. TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the rear of the car and secure on supports.



4 Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. BMW X3 E83

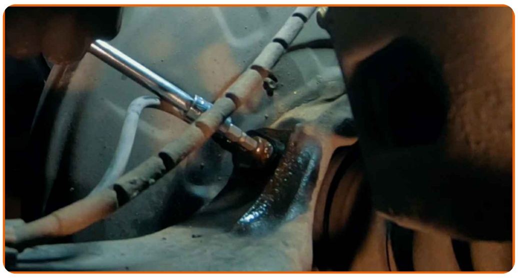
5 Remove the wheel.



6 Clean the ABS sensor fastener. Use a wire brush. Use WD-40 spray.



7 Unscrew the ABS sensor fastener. Use HEX No.H5. Use a ratchet wrench.



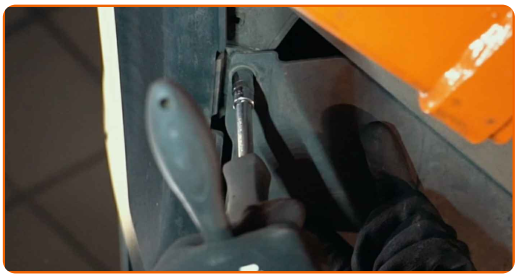
8 Remove the ABS sensor from the steering knuckle. Use water pump pliers.



9 Disconnect the ABS sensor wiring. Use a flat screwdriver.



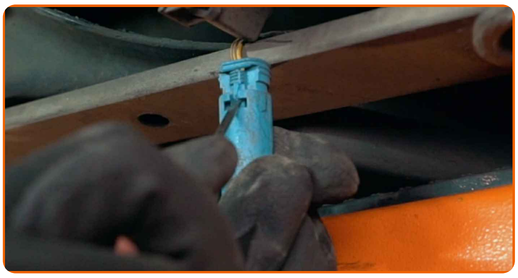
10 Unscrew the fasteners of the plastic car body protective cover. Use a drive socket #8. Use a ratchet wrench.



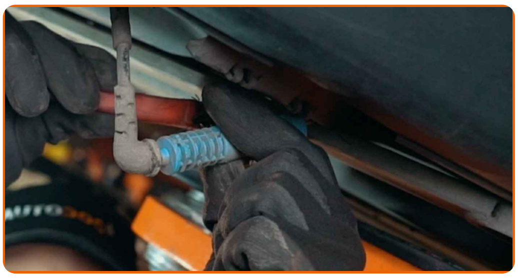
11 Remove the plastic car body protective cover.



12 Detach the ABS sensor connector. Use a flat screwdriver.

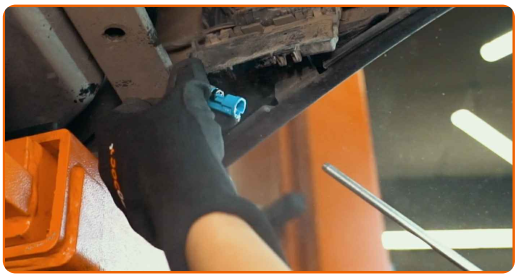


13 Clean the ABS sensor connector. Use a nylon cleaning brush.

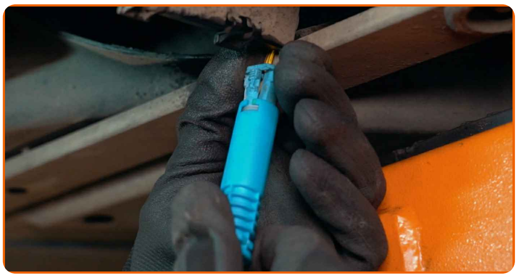


14 Disconnect the ABS sensor wiring. Use a flat screwdriver.

15 Treat the ABS sensor connector. Use dielectric grease.



16 Attach the ABS sensor connector.



17 Connect the ABS sensor wiring.

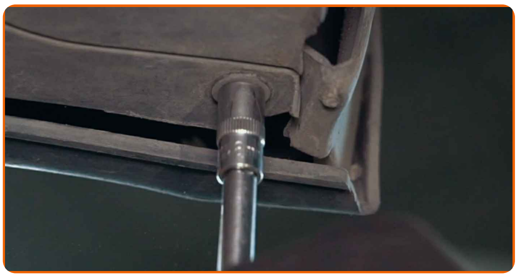


18 Reinstall the plastic car body protective cover.



19

Screw in the fasteners of the plastic car body protective cover. Use a drive socket #8. Use a ratchet wrench.



20

Connect the ABS sensor wiring.



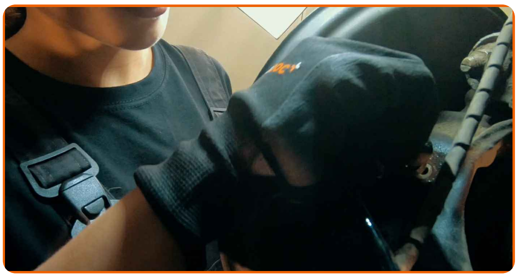
21

Treat the ABS sensor fastener. Use a multipurpose grease. Use a crowbar.



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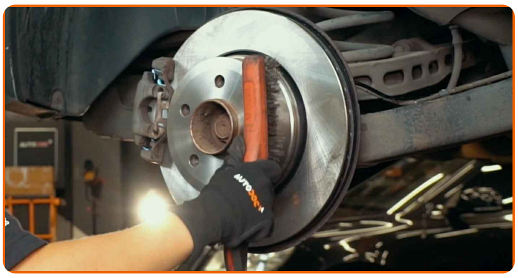
Install the ABS sensor on the steering knuckle and secure it.



23 Tighten the fastener that connects the ABS sensor to the steering knuckle. Use HEX No.H5. Use a torque wrench. Tighten it to 7 Nm torque.



24 Clean the wheel rim mounting seat. Use a wire brush.



25 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



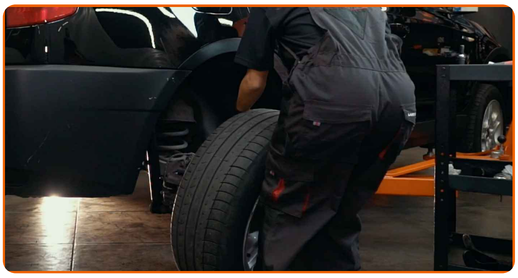
26 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: ABS sensor – BMW X3 E83. After applying the spray, wait a few minutes.

27 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. BMW X3 E83

28 Screw in the wheel bolts. Use wheel impact socket #17.



29 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 140 Nm torque.



30

Remove the jacks and chocks.

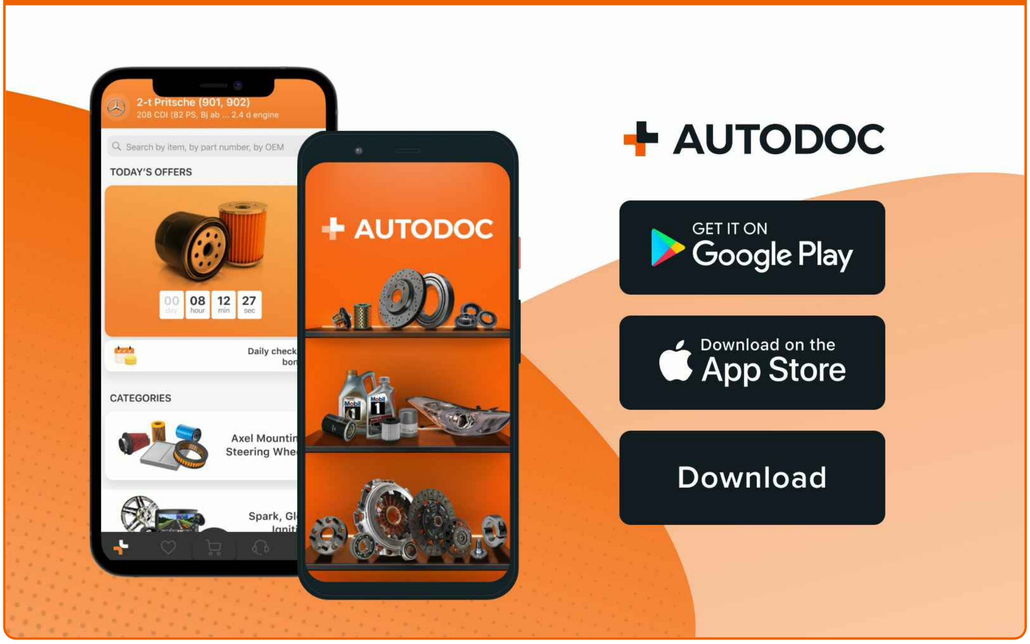


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